

IT Security in Senior Living – How to keep your business and your residents secure

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Agenda

- 1 Introduction
- Network Attacks and Compliance
- **⊿ 3** Educating Residents on Scams
- Additional Resources for Educating Residents



Learning objectives



- ▲ To understand the security risks to senior living organizations
- Become aware of the scams impacting your residents
- Develop ways to educate your residents on risks
- Develop ways to protect your organization





✓ Session 1

Introduction

Aging in Place

93% of people 55 and older agree that technology will aid them in aging in place (staying at home or in independent living communities longer).





Technology Use by Seniors



of people over age 65 have a smart phone

53%

of people 55 and older user some sort of adaptive health technology

72%

of people over age 70 rely on technology to stay in touch. 92% of users use video chatting and text messaging. 74% use social media. 90% use email

67%

of seniors use the internet (75% of whom use the internet daily)

17%

of senior report using online dating sites



Technology Use in Senior Living Organizations

- Amazon Echos, and Facebook for video calls and interaction for residents
- Nurses/doctors using bedside iPads, computers, and smart phones for charting and EMR access
- ✓ 2 Use of robotics, wearable technology, and sensors to help combat nursing shortages
- Virtual reality for rehabilitation and mental engagement
- Smart Home devices make the senior living experience more enjoyable and residents more independent
- Artificial intelligence for diagnosis and treatment

Digital/virtual caretakers, assistants, and doctor appointments





✓ Session 2

Security Risks at Senior Living Organizations

Why are Hackers Focusing on Senior Living?



Valuable and Sensitive Data (PHI)



Vulnerabilities



Human Error



Mobile Technology Environment



Limited Resources



Physical Security



Connected Systems



Vulnerable Residential Population





Common Attack Example

Leads to exposed data, access to systems, possible financial loss, etc.





Risk!



TECH DAILY NEWS

Nurse call systems, other medical devices highest risks for cyberattacks: report

JOHN ROSZKOWSKI MAY 3, 2023



In The News

McKnight's Senior Living

Data breach leaked info on 40 nursing facilities, provider reports

A data breach over the summer may have given hackers access to health records for both residents and staff at 40 nursing homes.

2 days ago



The New York Times

Ransomware Attack Disrupts Health Care Services in at **Least Three States**

It was not immediately clear how many locations operated by Prospect Medical Holdings were affected but some sites had to cut back services...

Aug 5, 2023



→ HealthITSecurity

Hawaii Skilled Nursing Facility Notifies 20K of Healthcare Data Breach

March 07, 2023 - Aloha Nursing Rehab Centre, a skilled nursing facility in Kaneohe, Hawaii, notified 20,016 patients of a recent healthcare...

Mar 7, 2023







Protecting Systems

- Regular data backups that are encrypted
- Network segmentation
- Patch software
- Routine monitoring
- Separate guest/resident networks
- Multifactor authentication for medical systems
- Educate employees on risks and test
- Physical security controls
- ▲ Take away administrator rights of users
- Encrypt data at rest and in transit

HIPAA Compliance

HIPAA has teeth now, it's a good time to revisit your compliance

- Not just covered entities
- Training employees
- Disclosure
- Business associate agreements
- Understand the requirements of the security, breach, and privacy rules
- OCR now doing audits and fines



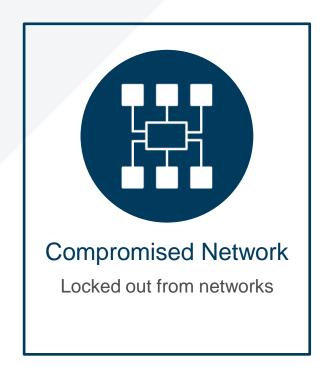


Important Controls Related for HIPAA





Impacts of an Attack











✓ Session 3

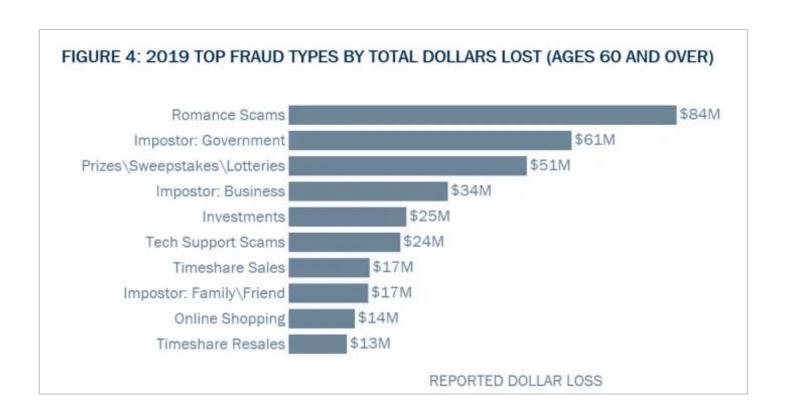
Educating Residents on Scams

Teaching Your Residents about Scams and Internet Safety is as Important as Treating their Health



Scams Online are Common

- ▲ The FBI estimates that seniors lose almost \$30 billion a year annually to scams
- Average senior individual loss was \$34,000





More Stats!

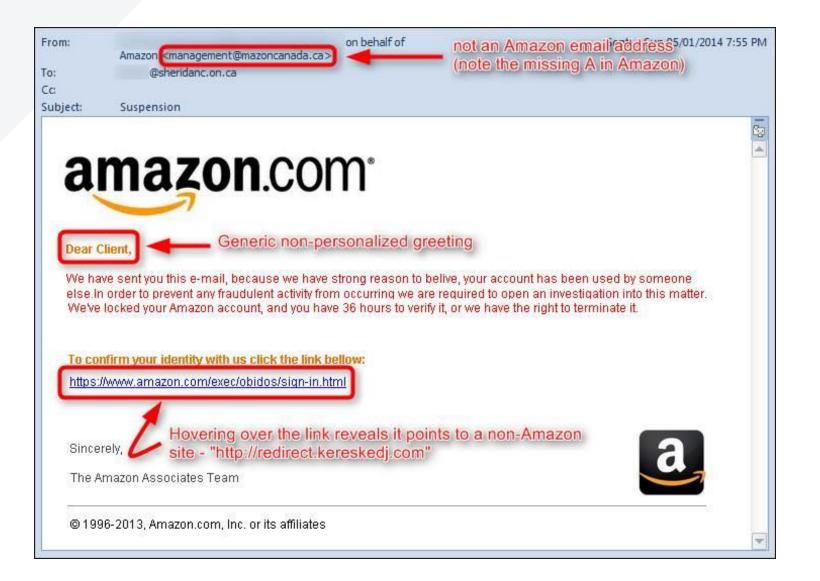
- ▲ The most common way scammers are successful: asking for gift cards
- ▲ 400% increase in cybercrimes in the last five years
- Seniors are the least likely age group to report fraud or a scam

Rank	Theft Type	# of Reports
1	Government Documents or Benefits Fraud	406,375
2	Credit Card Fraud	393,207
3	Other Identity Theft	353,152
4	Loan or Lease Fraud	204,967
5	Employment or Tax-Related Fraud	113,529
6	Phone or Utilities Fraud	99,539
7	Bank Fraud	89,476



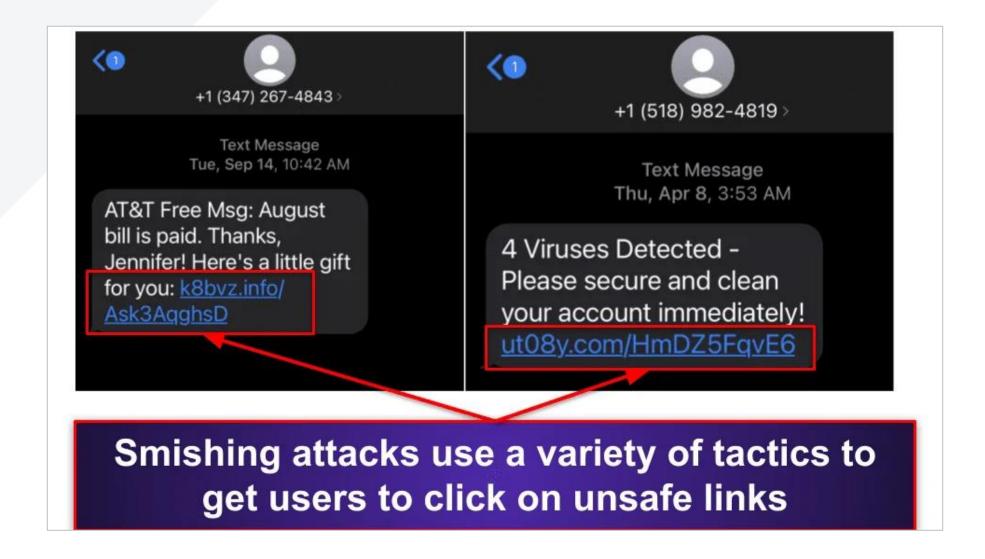


Example 1

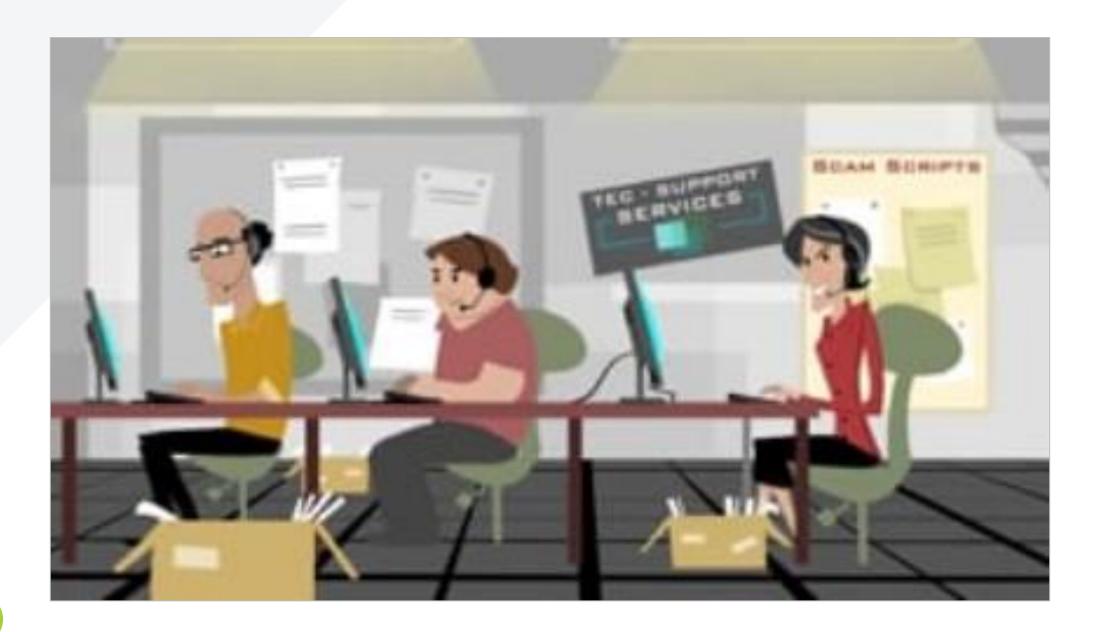




Example 2



















Educating Residents

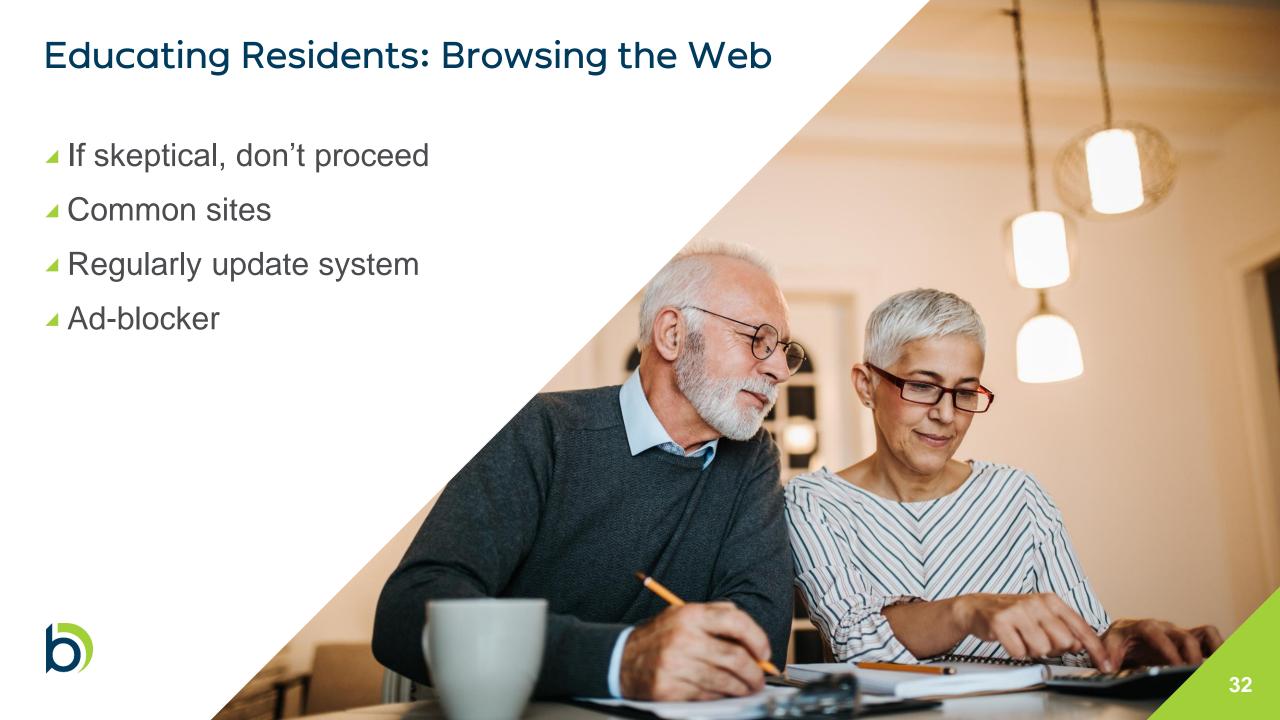
- Be patient and understanding
- Make it easy to communicate
- ▲ Inform them frequently
- Don't scare them away





Educating Residents: Dating Sites

- ▲ Be Cautious
- ▲ Don't Give Out Personal Info
- ▲ Ask to Video Chat
- ▲ Find Love!





Session 4

Additional Resources for Educating Residents

FTC Videos: Cyber Safety



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